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FILE!

13 January 1960

MEMORANDUM FOR THE RECORD

SUBJECT: ASA, Mobile Unit - Visit to Contractor (ED-175P)

1. On 8 January the undersigned visited the contractor for the purpose of discussing and witnessing the status of the audio-photo-visual-mobile surveillance unit.
2. At present the project is on schedule with the following exceptions:
 - (a) Transmitter and receiver equipment
 - (b) Infra-red equipment

Several photographs are attached, showing the various areas of remodification and equipment installed.

3. Due to the lead time advanced by TSS/ASD [] to procure a four channel transceiver, nine months, TSS/ED requested BMI to investigate the possibility of obtaining a similar or compatible unit in less time. If it were necessary to wait nine months for transceiver equipment, the ASA, Mobile unit could not be completed and would have to be inactivated, stored, and reactivated. BMI advanced several systems (4 channel and 2 channel) which could be procured in less than 9 months. The most promising of these systems was a modified 4 channel Motorola or GE unit, vacuum tube with transistor power supply. This unit could be ready for installation approximately 45 days after awarding the task.

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[] TSS/ED, presented the BMI information to [] CI Staff for consideration on 12 January. On 13 January [] TSS/ASD, advised [] and the undersigned that CI Staff desired BMI to proceed with the modified 4 channel vacuum tube transceiver. Two channel systems were not desirable. TSS/ASD [] advanced the following frequencies:

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Transmitter: 58.50, 58.54, 58.58, 58.62 mcs.
Receiver : 58.50, 58.54, 58.58, 57.60 mcs.

All information necessary for a proposal was obtained from TSS/ASD [] and relayed to []

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4. The undersigned obtained an acceptable proposal from [] for the infra-red equipment during the visit. A decision from CI Staff regarding the

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IR equipment was necessary because future modification of the vehicle would have to be delayed if the installation was desired. [] TSS/ED discussed the proposal with the CI Staff and a decision was reached to proceed with the IR equipment. On 13 January BMI was informed, telecon, of our intent and the necessary paperwork started.

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5. The undersigned and [] decided to microswitch all doors and viewing ports with the interior lighting system of the vehicle to prevent inadvertent disclosure. In addition, the undersigned requested BMI to install color coded lights for the pump, Blower, and battery system at the control station.

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6. The proposed environmental testing procedure was discussed with [] The vehicle will be enclosed within a confined room equipped with a climatizer to supply incoming air to the cab of the vehicle at 95F and 75% R. H. Heat lamps, over the roof area, will maintain the vehicle roof at 150F and the vehicle sides at 150-100F gradient, top to bottom.

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7. The problem of furnishing adequate instructions with the vehicle for its operation and maintenance was discussed with [] The undersigned stressed a desire for pictorial explanations; photos, drawings, etc., as well as clear and concise wording. Additional funds may be required to accomplish this purpose.

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8. In view of the additional electronic requirement (radio equipment) a meeting with [] and TSS/ASD [] will be arranged in the near future for clarification and guidance. The individual, who will modify the radio equipment, is a []

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